

**CITY OF FRESNO
PUBLIC WORKS DEPARTMENT
GENERAL NOTES FOR
LANDSCAPING/IRRIGATION PLANS**

THESE ARE SOME GENERAL NOTES TO APPLY TO THE LANDSCAPING/IRRIGATION PLANS AS THEY APPLY TO EACH PROJECT. ADDITIONAL NOTES MAY BE ADDED AS DETERMINED BY THE LANDSCAPE ARCHITECT/ENGINEER. (SEE SECTION 26 CITY OF FRESNO STANDARD SPECIFICATIONS AND DRAWINGS).

GENERAL PLANTING NOTES:

1. THE CITY OF FRESNO SHALL CONDUCT INSPECTIONS OF ALL PLANT MATERIAL. ADDITIONAL INSPECTIONS BY COUNTY AGRICULTURAL INSPECTORS WILL BE REQUIRED (PER STATE LAW) FOR QUARANTINE SPECIES OF PLANTS. CONTRACTOR WILL BE RESPONSIBLE FOR ASSURING PLANT MATERIAL THAT IS SHIPPED COMPLIES WITH STATE LAWS AND COUNTY INSPECTION REQUIREMENTS.
2. CONTRACTOR SHALL NOT INSTALL LANDSCAPING WHEN IT OBVIOUS THAT THERE IS A DISCREPANCY BETWEEN THE PLANS AND THE ACTUAL SITE CONDITIONS. CONSULT WITH THE CITY INSPECTOR TO RESOLVE THE DISCREPANCY.
3. ALL PLANTING AND RELATED WORK SHALL COMPLY WITH THE CITY OF FRESNO STANDARD SPECIFICATIONS AND AS DETERMINED BY THE ENGINEER. SPECIFICATIONS ARE AVAILABLE AT CITY HALL, 2600 FRESNO STREET, ENGINEERING SERVICES, 4TH FLOOR OR ON-LINE AT [HTTP://WWW.FRESNO.GOV](http://www.fresno.gov). TO SETUP A PRE-CONSTRUCTION MEETING, CALL 559.621-5600.
4. TREES IN ENCLOSED PLANTER BOXES, RAISED PLANTERS OR WITH SUBSURFACE DRIP IRRIGATION REQUIRE NO WATER BASINS.
5. ALL ROOTBALLS REMOVED FROM CONTAINERS SHALL BE SCARIFIED PRIOR TO BACKFILLING.
6. PLACE TREE TIE 6" ABOVE THE LOWEST POINT ALONG THE TRUNK WHERE THE TREE HEAD WILL SUPPORT ITSELF.
7. PLANTING HOLE TO BE 2 1/2 TIMES THE DIAMETER OF THE ROOT BALL AND 12 INCHES DEEPER THAN LENGTH OF ROOT BALL FOR DECIDUOUS, BROADLEAF AND CONIFEROUS TREES.
8. ROOT BARRIERS ARE REQUIRED FOR ALL TREES PLANTED WITHIN TEN (10) FEET OR LESS OF ALL HARDSCAPE IMPROVEMENTS AS PER CITY OF FRESNO STANDARD SPECIFICATIONS AND AS SHOWN ON PLANS.
9. ALL TREES SHALL BE SET BACK A MINIMUM OF FIVE (5) FEET FROM WALLS. SHRUBS SHALL BE SET BACK THREE (3) FEET AWAY FROM EDGE OF WALKS, WALLS, AND OTHER HARDSCAPE FEATURES. GROUND COVER SHALL BE PLANTED 1 FOOT FROM THE SAME FEATURES.
10. 12" WIDE X 6" THICK CONCRETE MOWSTRIP SHALL BE CONSTRUCTED OVER 6 INCHES OF COMPACTED NATIVE SOIL WITH 95% RELATIVE DENSITY OR AS DETERMINED BY THE ENGINEER. MOWSTRIPS ARE TO DEFINE BOUNDARIES OF LANDSCAPING TO BE

MAINTAINED BY THE CITY AND OTHER ENTITIES ARE TO BE CONSTRUCTED AS SHOWN ON THE PLANS.

11. MAXIMUM SLOPE SHALL NOT EXCEED 4:1 WITH ONE FOOT OF LEVEL GROUND BETWEEN THE SLOPE AND THE BACK OF THE SIDEWALK AND/OR FACE OF FENCE. EROSION CONTROL MEASURES SHALL BE IMPLEMENTED ON ALL SLOPES 4:1 OR STEEPER. SUCH EROSION CONTROL SHALL, AT A MINIMUM INCLUDE THE USE OF SYNTHETIC EROSION CONTROL NETTING IN COMBINATION WITH GROUND COVER SPECIES APPROVED BY THE PUBLIC WORKS DEPARTMENT. THE EROSION CONTROL NETTING SHALL BE APPROVED BY THE PUBLIC WORKS DEPARTMENT PRIOR TO SHIPPING, AND INSTALLATION SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS.
12. AFTER ACCEPTANCE OF THE PROJECT BY THE CITY OF FRESNO, THE CONTRACTOR SHALL MAINTAIN ALL PLANTING AND ASSOCIATED MATERIALS ACCORDING TO THE APPROVED SPECIFICATIONS AND STANDARDS FOR A PERIOD OF NO LESS THAN THE STANDARD 90 (NINETY) DAY MAINTENANCE PERIOD.
13. DRAINAGE HOLES ARE REQUIRED AS DETERMINED BY THE CITY OF FRESNO. DRILLING OF HOLES SHALL BE IN ACCORDANCE WITH THE CITY OF FRESNO STANDARD SPECIFICATIONS, SECTION 26-2.13. 24"X10' OR UNTIL SAND IS ENCOUNTERED.

GENERAL IRRIGATION NOTES:

1. THE CONTRACTOR SHALL NOT WILLFULLY INSTALL THE IRRIGATION SYSTEM AS SHOWN ON THE PLANS WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS, GRADE DIFFERENCES OR DIFFERENCES IN THE AREA DIMENSIONS EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE ENGINEERING. SUCH OBSTRUCTIONS OR DIFFERENCES SHALL BE BROUGHT TO THE ATTENTION OF THE CITY OF FRESNO INSPECTOR. IN THE EVENT THIS NOTIFICATION IS NOT PERFORMED, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY AT NO EXPENSE TO THE OWNER.
2. SPLICING OF 24 VOLT WIRES WILL NOT BE PERMITTED EXCEPT IN VALVE BOXES. LEAVE A 24" COIL OF EXCESS WIRE AT EACH SPLICE. LABEL ALL WIRES W/WATERPROOF MARKERS AT ALL SPLICES, VALVE MANIFOLDS AND AT CONTROLLER.
3. INSTALL VALVE BOXES 4' FROM, AND PERPENDICULAR TO, PATH EDGES, CURBS, LAWNS, BUILDINGS OR LANDSCAPE FEATURES. AT MULTIPLE VALVE BOX GROUPS, EACH BOX SHALL BE AN EQUAL DISTANCE FROM THE WALK, CURB, LAWN, ETC. AND EACH BOX SHALL BE 6" APART. SHORT SIDE OF THE VALVE BOX SHALL BE PARALLEL TO WALK, CURB, LAWN, ETC. FLUSH VALVES SHALL BE PLACED 2' FROM WALK.
4. CONTRACTOR IS RESPONSIBLE FOR THE BACKFLOW UNIT TO BE TESTED AND CERTIFIED BY THE CITY OF FRESNO WATER DIVISION (621-5300). WRITTEN REPORT IS DUE TO THE CITY OF FRESNO INSPECTOR AT THE END OF THE MAINTENANCE PERIOD.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ALL MATERIAL APPEARING ON THE PLANS OR AS NECESSARY TO COMPLETE THE PROJECT.
6. CONCRETE THRUST BLOCKS SHALL BE PROVIDED ON ALL MAINLINE PIPING. THEY ARE TO BE LOCATED AT ALL ABRUPT CHANGES IN PIPELINE GRADE, CHANGES TO HORIZONTAL ALIGNMENT, REDUCTION IN PIPE SIZES, END OF LINE AND IN-LINE VALVES TO ABSORB ANY AXIAL THRUST OF THE PIPE. THE PIPE MANUFACTURER'S RECOMMENDATIONS FOR THRUST BLOCKS MUST BE FORMED AGAINST UNDISTURBED EARTH.

7. ALL MAINLINE PIPES SHALL BE PRESSURE TESTED PER STANDARD IRRIGATION SPECIFICATIONS WITHOUT THE VALVES INSTALLED. THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT NEEDED. MINIMUM OF 5 PSI LOSS ALLOWED PER 4 HOUR TEST PERIOD AS INSPECTED BY THE CITY'S CONSTRUCTION MANAGEMENT DIVISION. IF ANY LEAKS DEVELOP, THE REPAIRS ARE TO BE MADE AND TEST REPEATED UNTIL THE SYSTEM IS PROVEN WATERTIGHT. THE CONTRACTOR IS TO CENTER LOAD THE PIPE AND LEAVE ALL JOINTS EXPOSED FOR INSPECTION. THE PRESSURE TEST SHALL BE OBSERVED AND APPROVED BY THE INSPECTOR. WHEN THE PIPE IS PROVEN WATERTIGHT AND ONLY THEN MAY THE LINE BE BACKFILLED.
8. SLEEVES INSTALLED IN ROADWAYS SHALL BE OF RIGID GALVANIZED CONDUIT (RGC) OR SCHEDULE 40 PVC WITH SOME MEANS OF PIPE DETECTION.
9. THE INSTALLATION OF IRRIGATION AND RELATED WORK SHALL COMPLY WITH THE CITY OF FRESNO STANDARD SPECIFICATIONS, MANUFACTURERS REQUIREMENTS AND AS DETERMINED BY THE ENGINEER. SPECIFICATIONS ARE AVAILABLE AT CITY HALL, 2600 FRESNO STREET, ENGINEERING SERVICES, 4TH FLOOR OR ON-LINE AT [HTTP://WWW.FRESNO.GOV](http://www.fresno.gov). TO SETUP A PRE-CONSTRUCTION MEETING, CALL 559.621-5600.